

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



24 JUN 2005

(43) International Publication Date
15 July 2004 (15.07.2004)

PCT

(10) International Publication Number
WO 2004/059225 A1

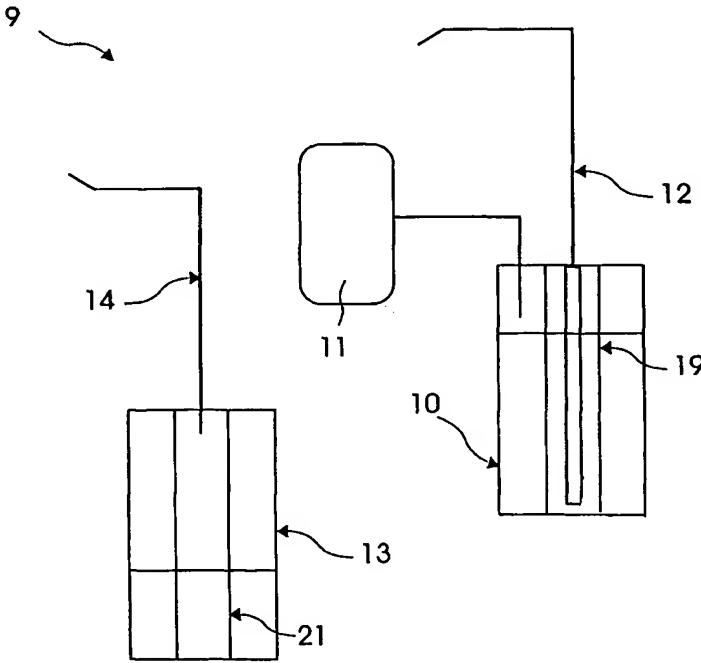
- (51) International Patent Classification⁷: F25B 47/00 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (21) International Application Number: PCT/TR2003/000095
- (22) International Filing Date: 16 December 2003 (16.12.2003)
- (25) Filing Language: Turkish
- (26) Publication Language: English
- (30) Priority Data: 2002/02732 26 December 2002 (26.12.2002) TR
- (71) Applicant (*for all designated States except US*): ARÇELİK A.S. [TR/TR]; B5 Ankara Asfaltı Üzeri, Tuzla, 34950 İstanbul (TR).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): ALTUNAN, Gürol [TR/TR]; Arçelik Anonim Şirketi, Buzdolabı Isletmesi, 26540 Eskisehir (TR).
- (74) Agent: ANKARA PATENT BUREAU LIMITED; Bestekar Sok. No:10, Kavaklıdere, 06680 ANKARA (TR).
- (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: DECLOGGING DEVICE AND DECLOGGING METHOD



(57) Abstract: This invention relates to a declogging device (9) and declogging method used to declog and clean the precipitation of metal dusts, compressor oil and the foreign matters in the refrigeration cycle (1) in a refrigerator.

WO 2004/059225 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

	International Application No PCT/TR 03/00095
--	--

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F25B47/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 F25B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) PAJ, EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 018, no. 572 (M-1696), 2 November 1994 (1994-11-02) & JP 06 207765 A (CHINO CORP), 26 July 1994 (1994-07-26) abstract	1,10
A	US 3 503 221 A (MARTIN FRANK C) 31 March 1970 (1970-03-31) * column 3, line 36 - column 4, line 71; figure *	1,10
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 08, 29 September 1995 (1995-09-29) & JP 07 127953 A (JATEC KK; OTHERS: 01), 19 May 1995 (1995-05-19) abstract	1,10
		-/-
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.
<p>* Special categories of cited documents :</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the International filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the International filing date but later than the priority date claimed</p> <p>"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>'&" document member of the same patent family</p>		
Date of the actual completion of the international search		Date of mailing of the international search report
27 April 2004		07/05/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Szilagyi, B

INTERNATIONAL SEARCH REPORT

	International Application No PCT/TR 03/00095
--	---

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 887 435 A (ANDERSON JR DAVID W) 19 December 1989 (1989-12-19) column 2, line 33 -column 7, line 14; figure 1	1
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 24, 11 May 2001 (2001-05-11) & JP 2001 183035 A (OTA FUMIHIRO), 6 July 2001 (2001-07-06) abstract	1
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 23, 10 February 2001 (2001-02-10) & JP 2001 174111 A (KUROKAWA TAIJI), 29 June 2001 (2001-06-29) abstract	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/TR 03/00095

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
JP 06207765	A 26-07-1994	NONE		
US 3503221	A 31-03-1970	NONE		
JP 07127953	A 19-05-1995	JP 2593403 B2		26-03-1997
US 4887435	A 19-12-1989	US 5036675 A US RE34231 E		06-08-1991 27-04-1993
JP 2001183035	A 06-07-2001	JP 3497432 B2		16-02-2004
JP 2001174111	A 29-06-2001	JP 3354124 B2		09-12-2002